

AN- 1989:97204 CAPLUS
 DN 110:97204
 ED Entered STN: 17 Mar 1989
 TI Properties of thin lubricant coatings based on soluble fluoroplastics and polyorganosiloxanes
 AU Zaichenko, L. P.; Tochil'nikov, D. G.; Rossinskii, N. A.
 CS Tekhnol. Inst. im. Lensovet, Leningrad, USSR
 SO Trenie i Iznos (1988), 9(5), 886-90
 CODEN: TRIZD6; ISSN: 0202-4977
 DT Journal
 LA Russian
 CC 42-4 (Coatings, Inks, and Related Products)
 Section cross-reference(s): 38
 AB Friction coeffs. and wear rates were determined for cast iron and alloyed steel friction pairs protected with a fluoropolymer-epoxy resin-siloxane antifriction coatings with thickness 1-5 μm . The performance of coatings containing Florolan-epoxy lacquer LFE-42 LG or LFE-32 LNKH and MePh siloxane lacquer KO-945 under 10MPa load at 200 \pm 5° for cast iron and 5 MPa load without heating for steel was satisfactory.
 ST fluoropolymer epoxy siloxane antifriction coating; lubricant fluoropolymer epoxy siloxane coating; friction fluoropolymer epoxy siloxane coating; wear fluoropolymer epoxy siloxane coating
 IT Lubricants
 (solid, coatings, epoxy resin-fluoropolymer-siloxane, friction and wear of)
 IT 12742-30-2 37360-55-7, Sch24-44
 RL: PROC (Process)
 (friction and wear of, against epoxy resin-fluoropolymer-siloxane antifriction coatings)

L11 ANSWER 43 OF 71 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1988:477565 CAPLUS
 DN 109:77565
 ED Entered STN: 02 Sep 1988
 TI Steel for castings of high strength and toughness
 IN Vocol, Milan; Tvrdy, Miroslav; Zampach, Jaromir
 PA Czech.
 SO Czech., 5 pp.
 CODEN: CZXXA9
 DT Patent
 LA Czech
 IC ICM C22C038-44
 IC 55-3 (Ferrous Metals and Alloys)

PAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 244160	B1	19860717	CS 1984-4981	19840628
PRAI	CS 1984-4981		19840628		
AB	The steel contains C 0.25-0.50, Mn 1.0-1.8, Si 0.3-1.0, Cr 0.5-1.5, Mo 0.1-0.5, Ni 0.05-1.0, W 0.05-0.5, Al 0.03-0.1, Ti 0.01-0.15, and V and/or Cu 0.05-0.3. Thus, wear-resistant excavator parts were made from cast steel containing C 0.25, Mn 1.47, Si 0.35, Cr 0.64, Mo 0.26, Al 0.09, P 0.023, S 0.024, Ni 0.45, W 0.1, and V 0.08%. After water quenching from 880° and low temperature tempering, the steel had a tensile strength of 1500-1650 MPa and notched impact toughness of 30-40 J/cm ² .				
IT	cast steel strength toughness; excavator cast steel wear				
IT	Abrasion-resistant materials (steel, cast, of high strength and toughness)				
IT	Cast metals and alloys RL: PRP (Properties) (steel, toughness and strength of, for wear-resistant machine parts)				
T	115640-25-0		115674-05-0	115674-06-1	
	RL: USES (Uses) (cast, toughness and strength of, for wear-resistant machine parts)				

L11 ANSWER 44 OF 71 CAPLUS COPYRIGHT 2004 ACS on STN

N 1987:538379 CAPLUS
 N 107:138379
 D Entered STN: 17 Oct 1987
 I High-strength abrasion-resistant steels under conditions of intensive wear